

Drive DR SGB 142

According to EN 81 20/50
New European standards

Improving performance, safety and efficiency

Renew and protect your assets

When an elevator drive has been in operation for more than 20 years, its repair and maintenance costs increase disproportionately. And what's more, higher safety standards will apply to both new

and existing lifts in the future. The European guideline EN 81-80 (SNEL, Safety Norm for Existing Lifts) stipulates the requirements. Good reasons to upgrade your lift with an SGB 142.



1: Set-up in machine room | 2: Hand wheel for manual rescue | 3: Frequency regulation

Safety and flexibility

You'll be on the safe side if you opt for the DR SGB 142: the advanced drive concept meets the highest requirements. It features up-to-date technology and can be installed almost anywhere – in just a short time, and usually without extra construction costs. Now that's flexibility.

Gearless technology leads the way

The DR SGB 142 operates with gearless technology, so it runs more efficiently, reducing energy consumption and making less noise than conventional drives. As there's no need for gear oil, it is environmentally friendly. And modern control ensures highly accurate stopping, so passengers can enter and exit safely. The direct drive and double brake system make for safe travel and immediate stopping in any emergency situation, in accordance with European standard EN 81 20/50.

Key benefits



Energy saving, lower operating costs



Excellent ride comfort, gearless technology



Complies with latest EU safety requirements



Flexible and quick installation



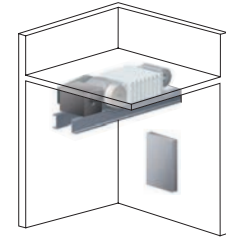
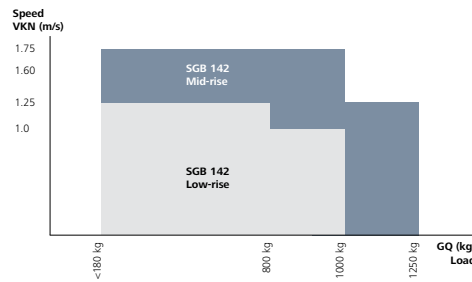
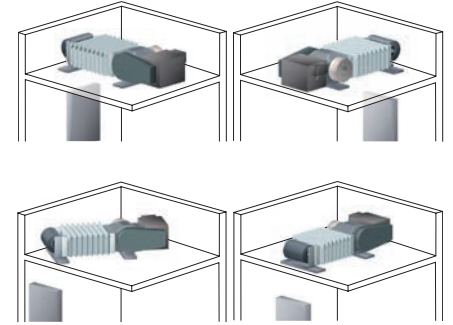
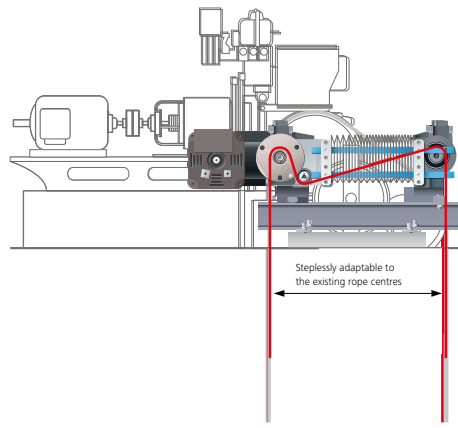
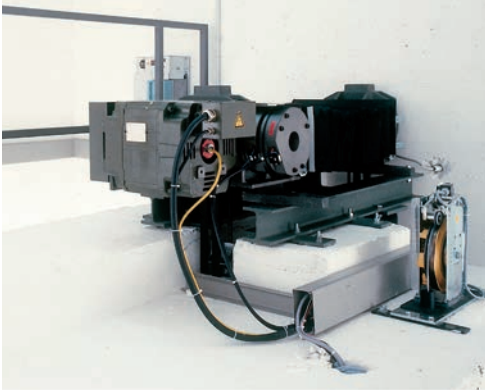
Fast, reliable operation



Highly accurate stopping



DR SGB 142 Product details



Advanced application range

It doesn't matter whether you operate a single residential lift or a group of elevators in a commercial mid-rise building. The new DR SGB 142 is available for both low- and mid-rise application ranges.

Infinite adaptability

Innovation in the traction media makes a smaller drive possible, which can be steplessly adapted to the existing rope centres. With speeds of between 0.4 m/s and 1.75 m/s and loads up to 1250 kg, it can be applied in a large range of elevators.

Simple installation

Local conditions are irrelevant when it comes to positioning the drive. It can be installed quickly in the existing system and the lift will soon be operating again. The flat design of the DR SGB 142 means that it can be installed either in the motor room or directly in the shaft headroom. In most cases, no changes to the existing building structure are needed.

Product characteristics

Drive	Gearless technology
Brake system	Double brake on drive shaft
Traction axle	85 mm
Loading capacity	Low-rise: 180 to 1250 kg Mid-rise: 180 to 1000 kg
Speed	Low-rise: 0.4 to 1.25 m/s Mid-rise: 1.25 to 1.75 m/s
Suspension distance	450–1400 mm (stepless)
Suspension factor	1:1, 2:1
Motor	Asynchronous
Stopping accuracy	+/- 5 mm

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